|  |  |
| --- | --- |
| Year \_\_8\_\_ | **Topic:**  **Period:** Spring 2 |
| **Overview of topic:**   * Create websites of webpages using HTML and CSS code * Learn how to use CSS and HTML to write a basic web page with a range of formatting * Learn the underlying architecture of the internet including DNS and IP address systems * Understand how to experiment with the code to create new features for a visitor to a webpage to enjoy | |
| **Key** **knowledge:**   * I can explain how to host a website * I can use a variety of software programs to produce my work and complete projects from HTML to CSS * I can collect information and present it using CSS and HTML effectively * I can design and create content optimised for the online world   I can present information  **Key vocabulary:**   |  |  | | --- | --- | | **Tier 2** | **Tier 3** | | **Websites**  **Web Servers**  **IP address**  **HTML**  **DNS**  **CSS**  **Tags**  **Scripts**  **Head**  **Body**  **Layout**  **File Size** | **DNS server**  **Scalability**  **Cloud Computing**  **Plugin**  **Debugging**  **Display resolution**  **DOM model**  **Optimisation**  **Packet routing**  **Domain register** | | **Key skills:**  ***Know how to…***   * Use computational thinking and creativity to understand and change the world. ALL: Explain webpages are made using code * MOST: Explain the effects of different code on the functionality and appearance of a webpage * SOME: Explain how a webpage can incorporate other languages such as Javascript Create an advanced webpage with a variety of effective code * And investigate new code independently suitable for the architecture of the internet * Explain how data is shared including:   + Location-based data   + Transactional data   + Cookies   + Data exchange between services * Be able to describe the benefits and drawbacks of using shared data * Understand the responsible use of data including:   + Legal considerations   + Privacy   + Ethical use |
| **Co-curricular opportunities: *(ASPIRE Day, Careers, clubs, competitions etc)***  Links to Minecraft club and similar clubs in school | **Key reading skills taught *(clarify, question, summarise, predict)* and key texts:**  **Wider Reading Opportunities/Links:**  Please see Classnote Books and [www.doddlearn.co.uk](http://www.doddlearn.co.uk) for independent homework and study |
| **How can I use this information at home?**   * Conversation starters with your children to discuss their learning * Support your child in carrying out independent research around the topic * Visit your local library (or BorrowBox), museums, or other locations to explore the topic * Promote books/other texts that explore this topic (see reading section) * Help your child to learn the key vocabulary | |